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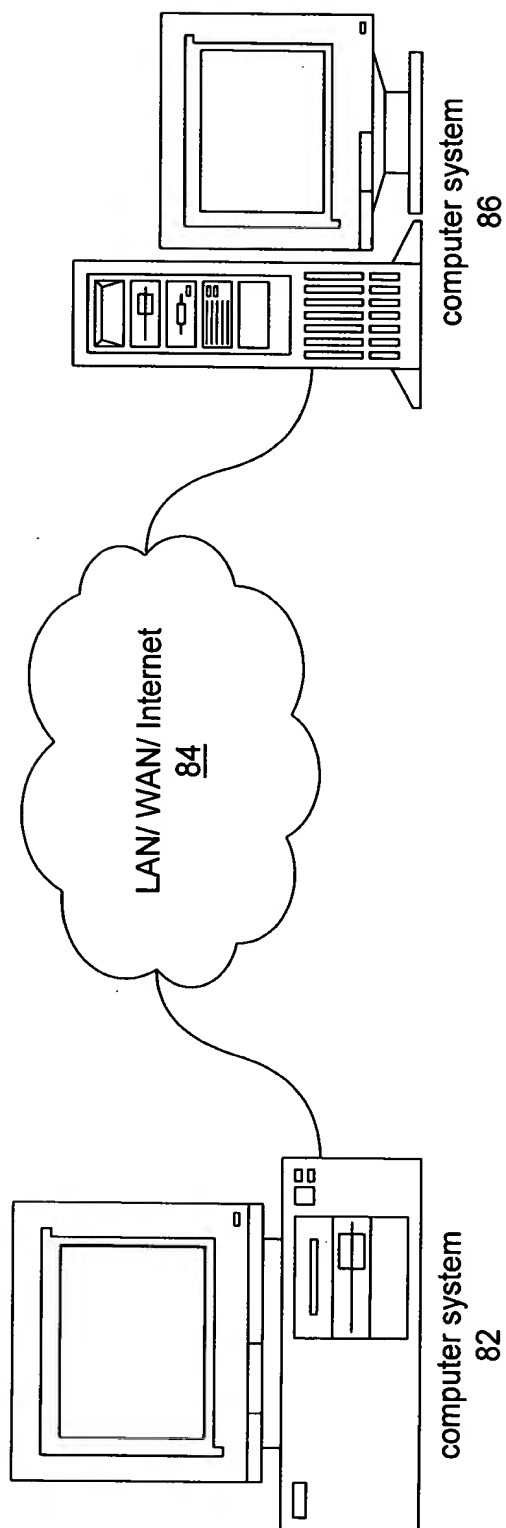


FIG.1

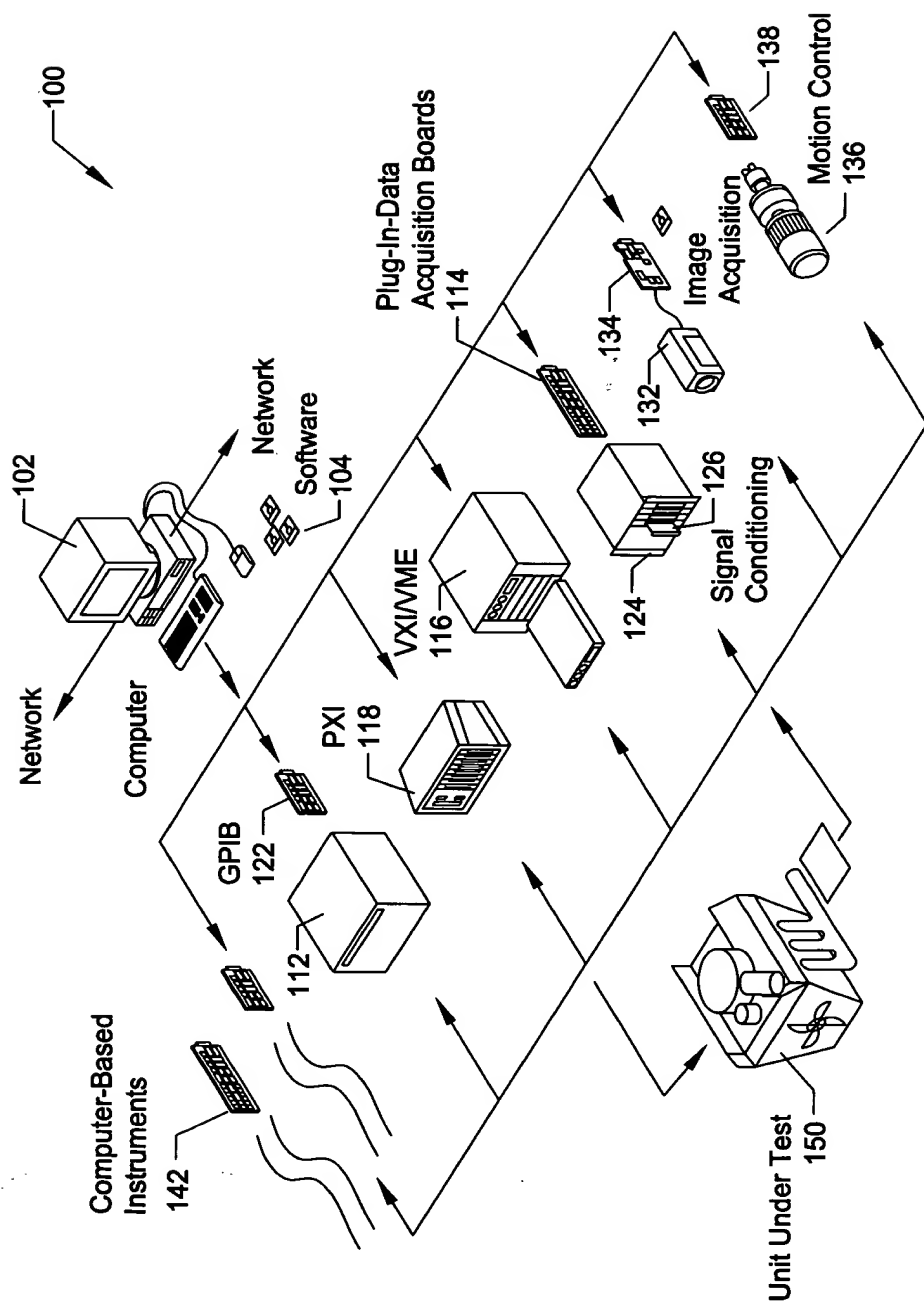


FIG. 2A

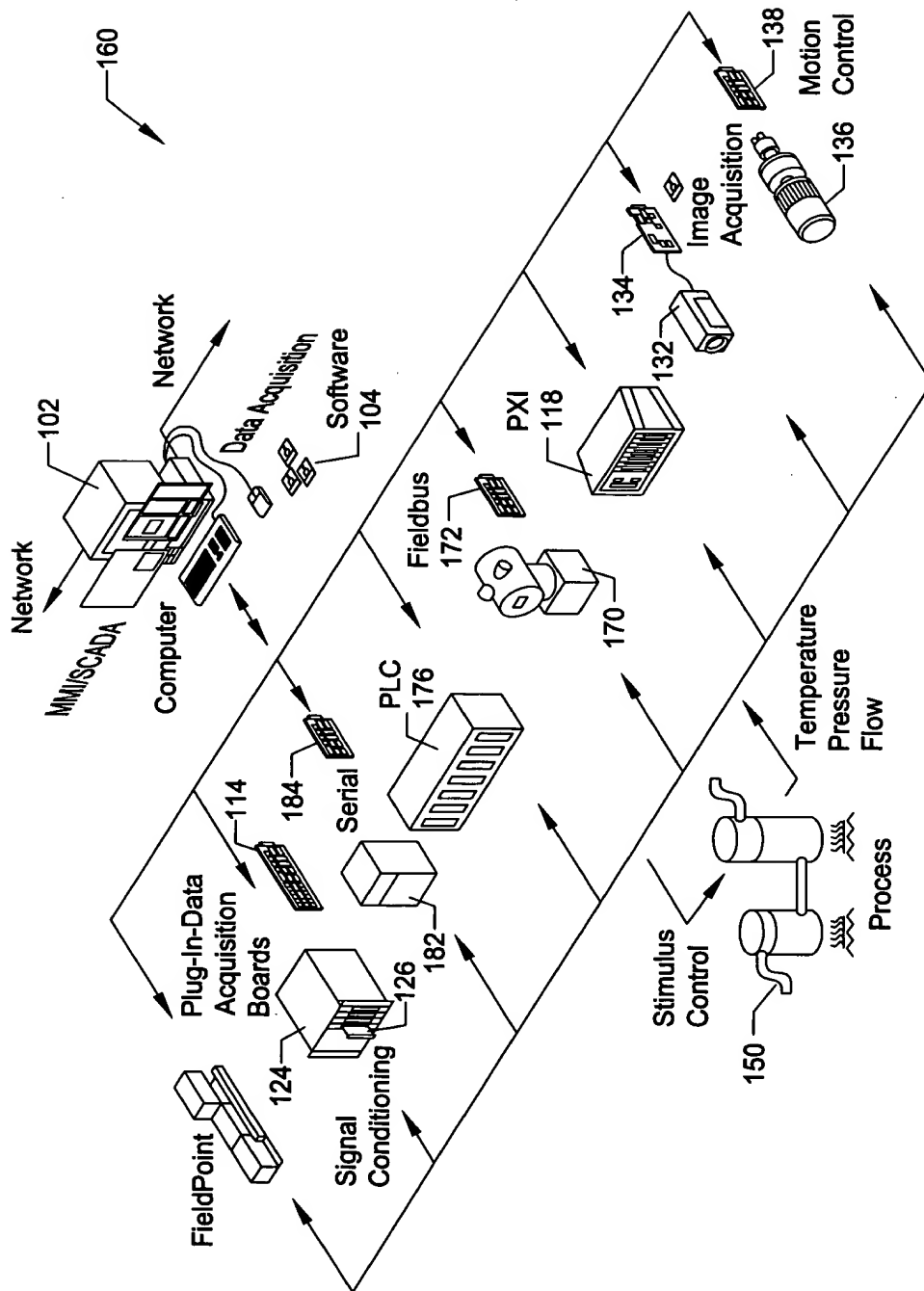


FIG. 2B

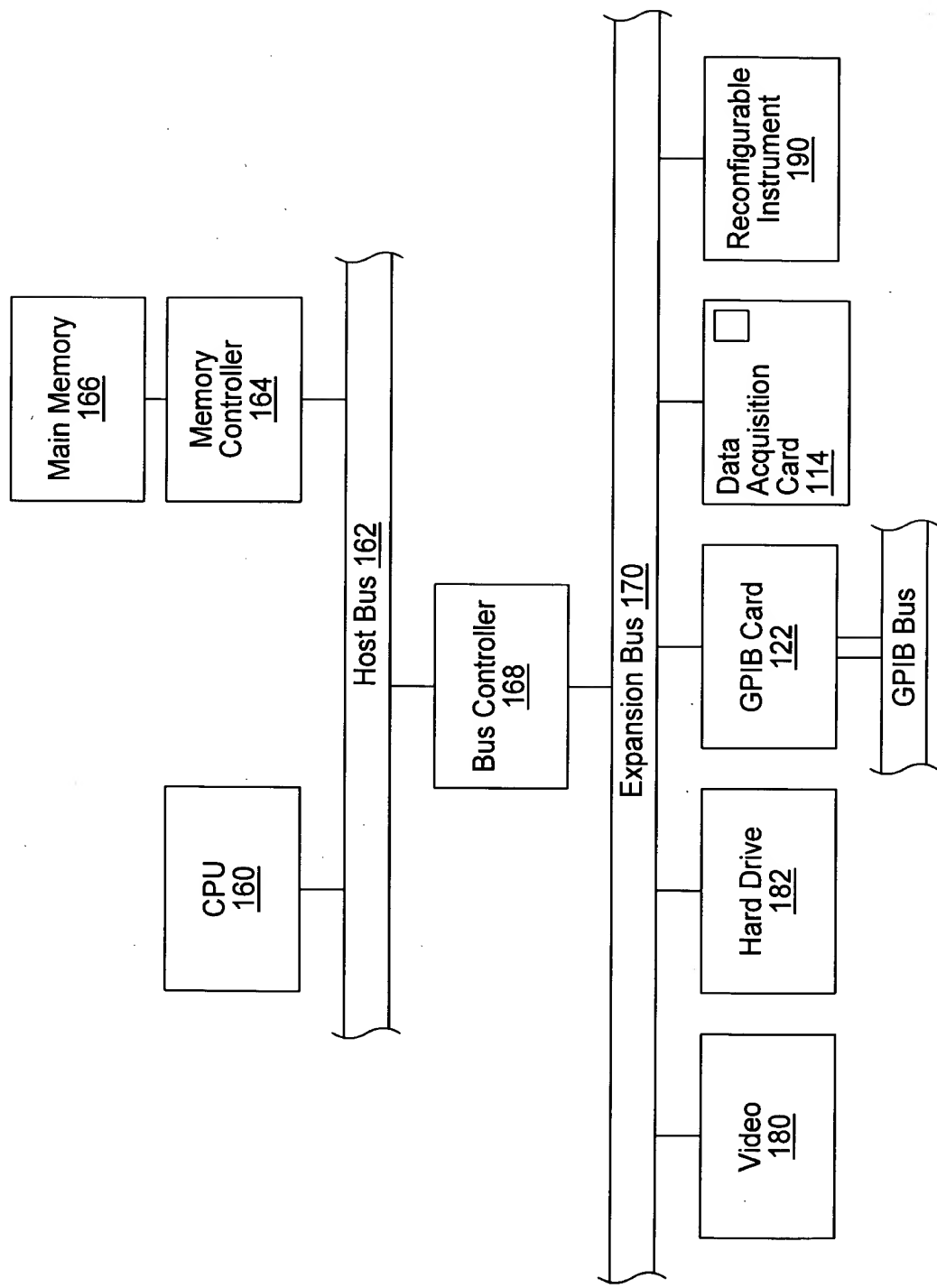


FIG. 3

Developer creates a graphical program generation (GPG) program, wherein the GPG program is operable to generate a plurality of graphical programs, based on received information

200

Specify program information, e.g., in response to user input, wherein the program information specifies desired functionality to be implemented in a graphical program

204

execute graphical program generation (GPG) program

206

GPG program receives information specifying functionality for a graphical program (or graphical program portion)

208

GPG program programmatically generates a graphical program (or graphical program portion) to implement the specified functionality

210

FIG. 4

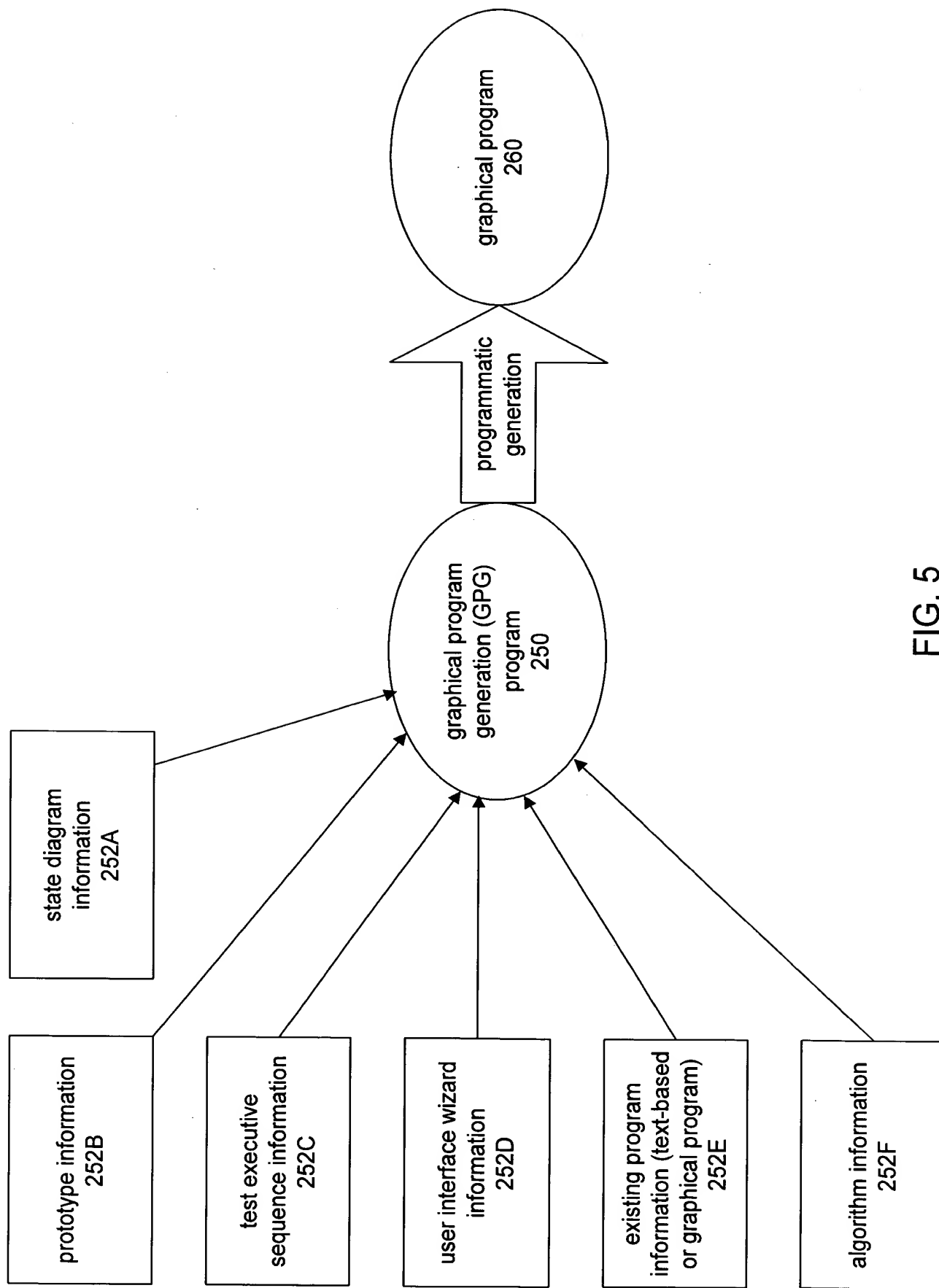


FIG. 5

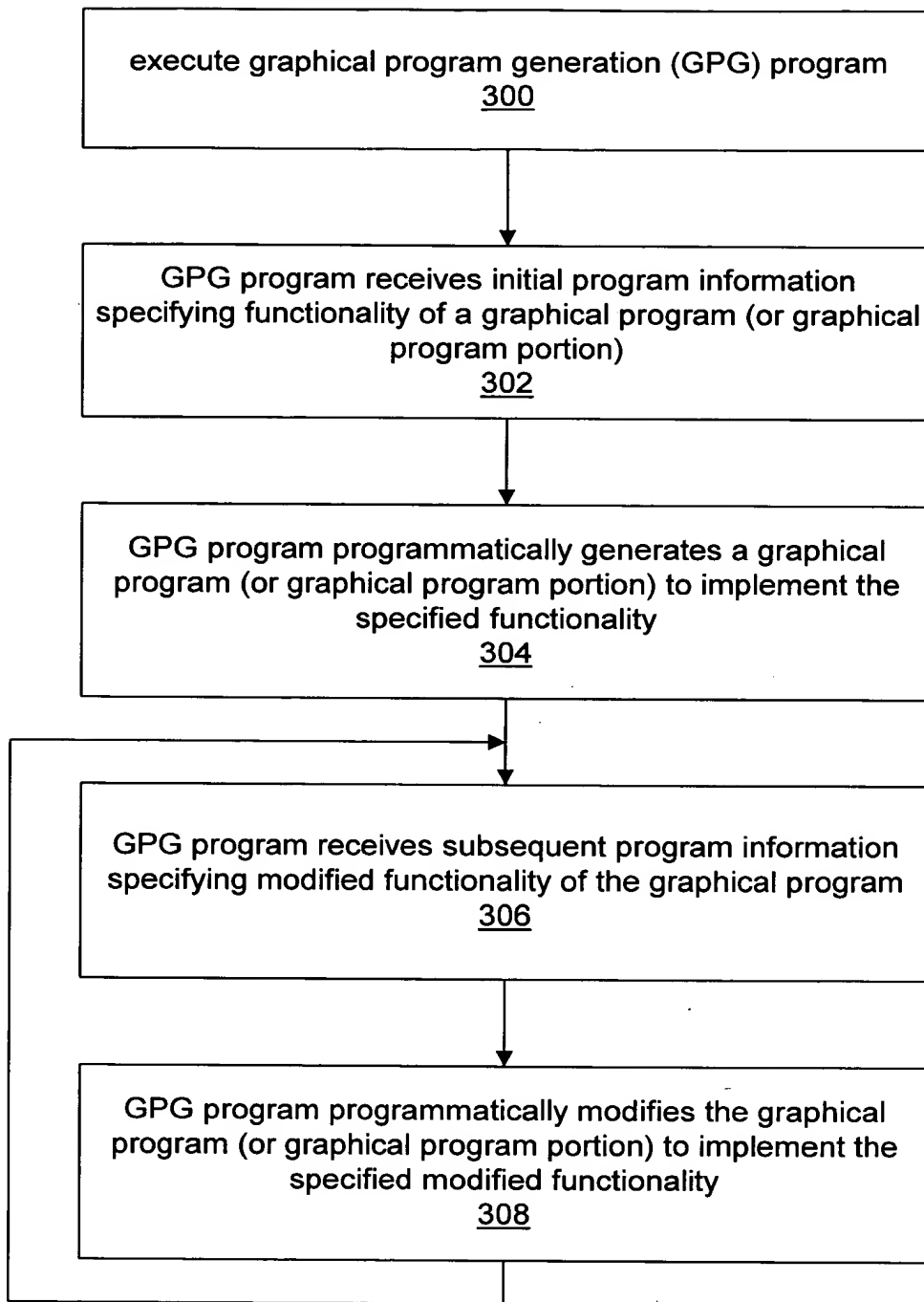


FIG. 6

000227 625460

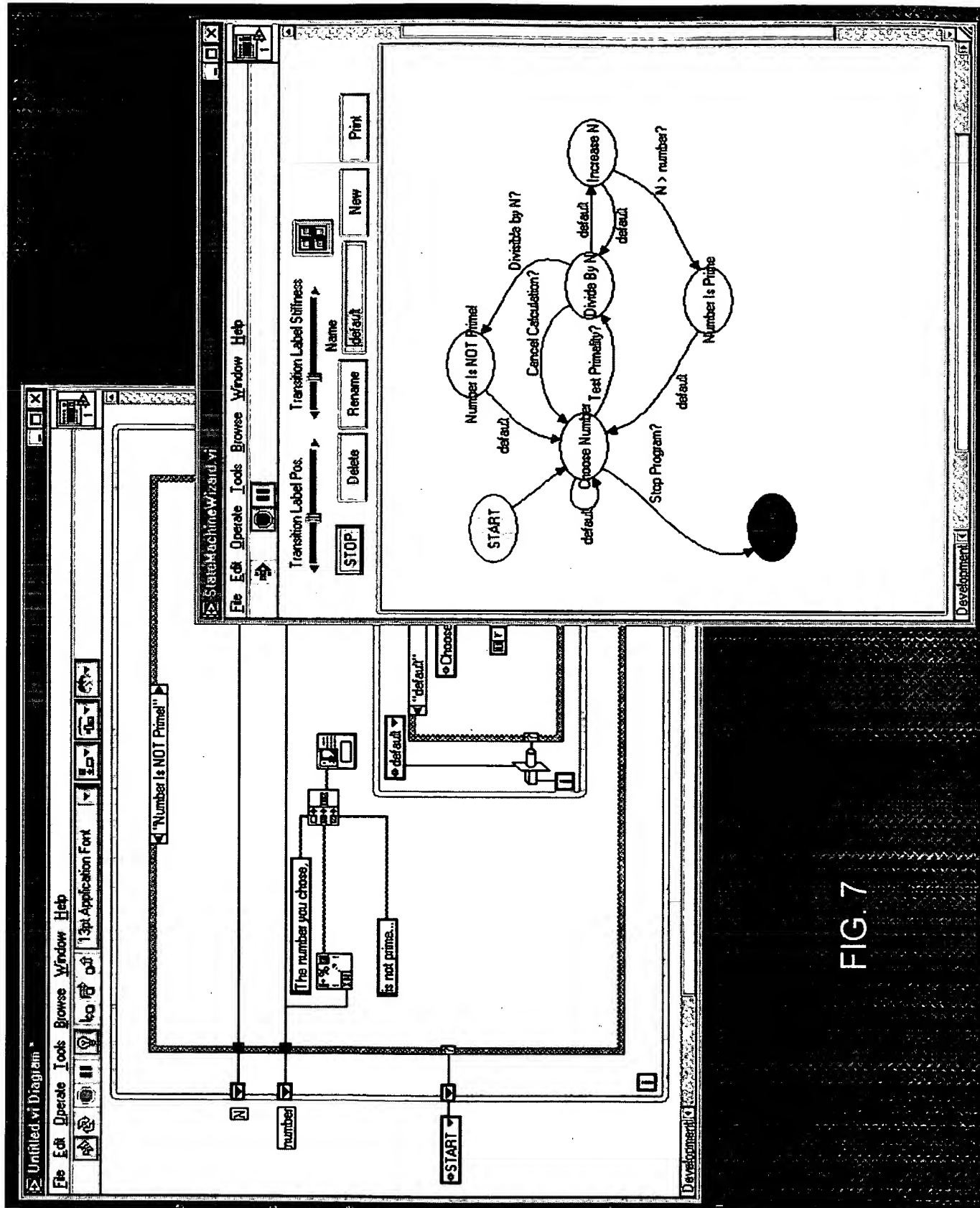


FIG. 7

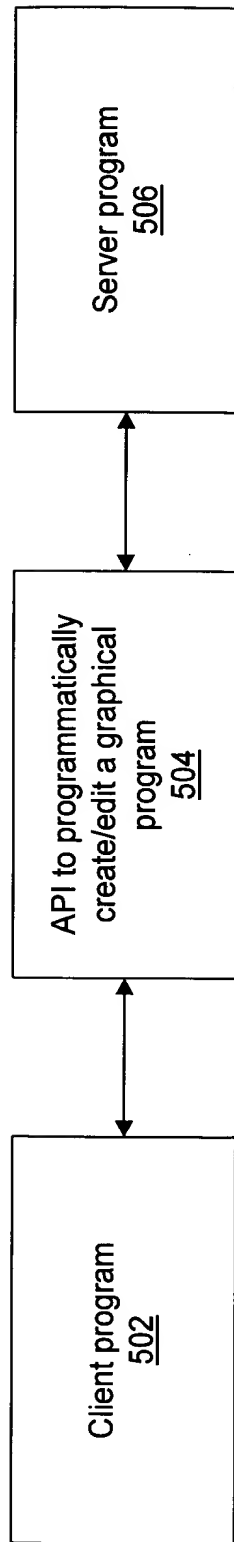


FIG. 8

New VI Object Reference Node

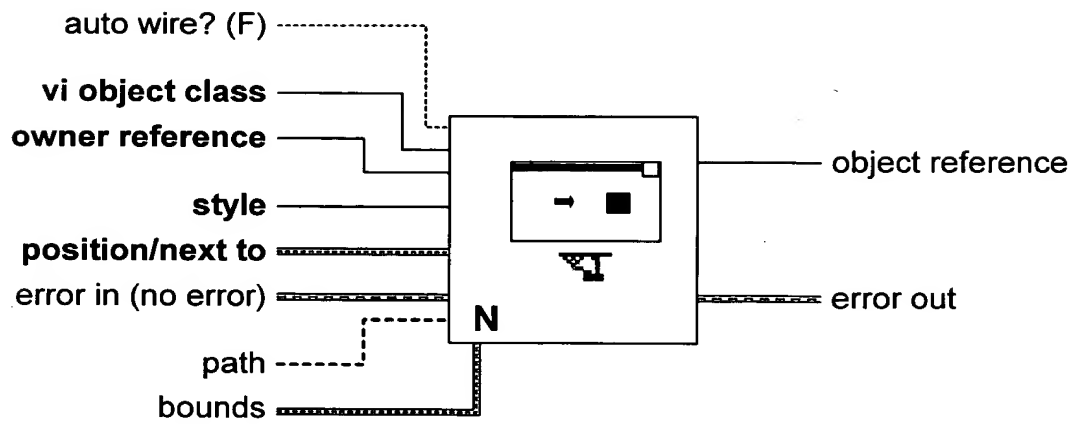


FIG. 13

Upcast Reference Node

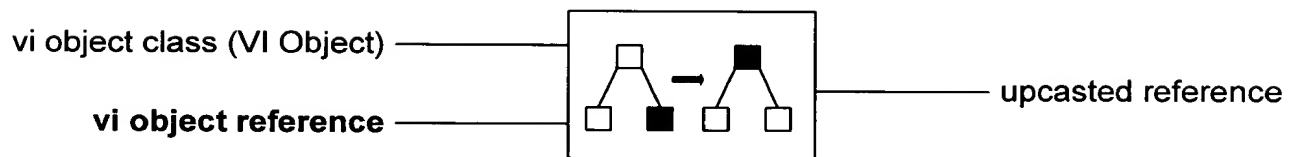


FIG. 14

000221 26254250

Downcast Reference Node

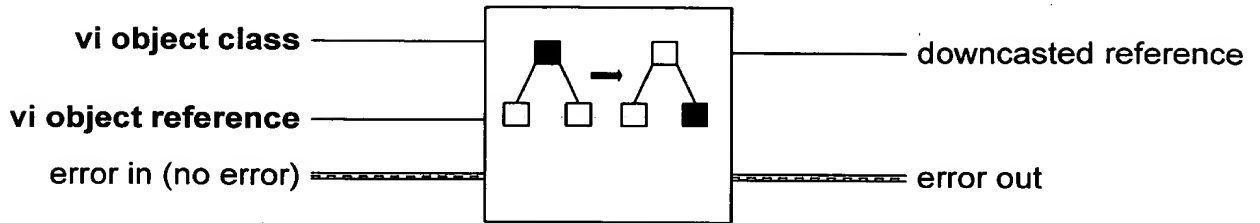


FIG. 15

Close Application or VI Reference Node

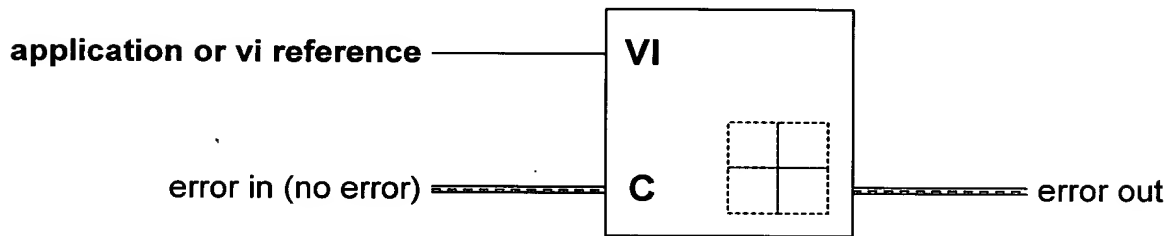


FIG. 16

Call By Reference Node

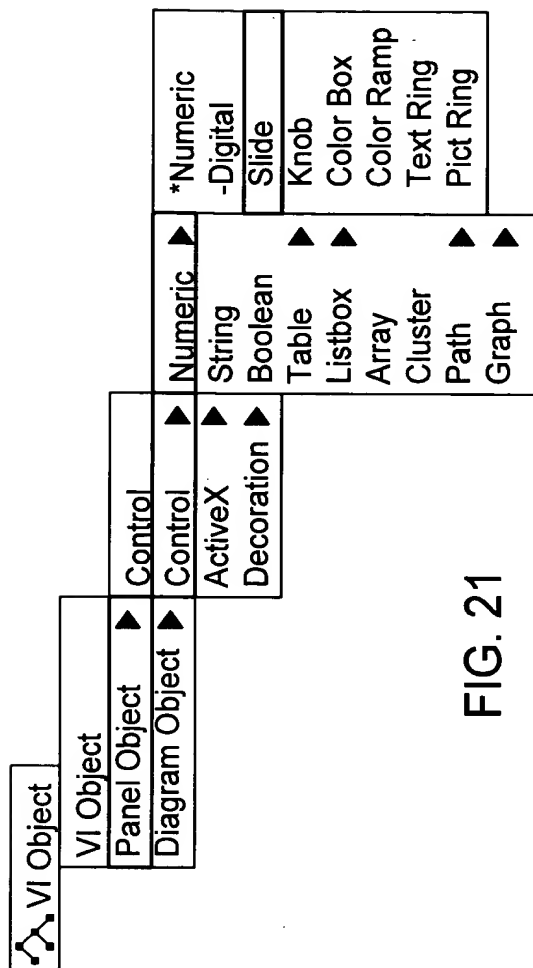


FIG. 21

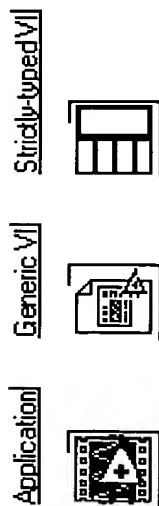


FIG. 20

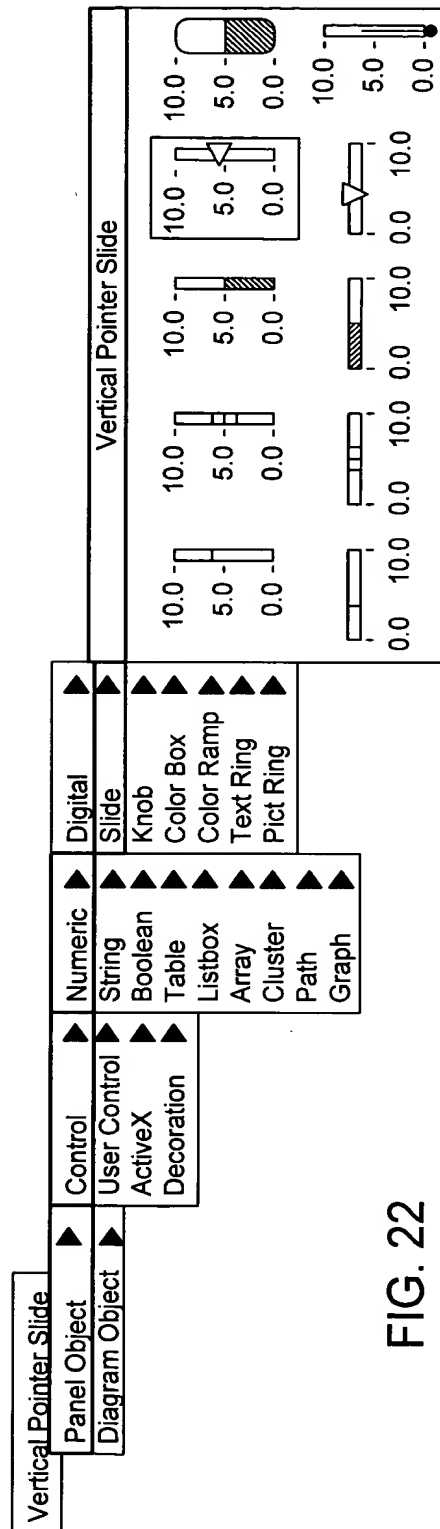


FIG. 22

000227" 26254260

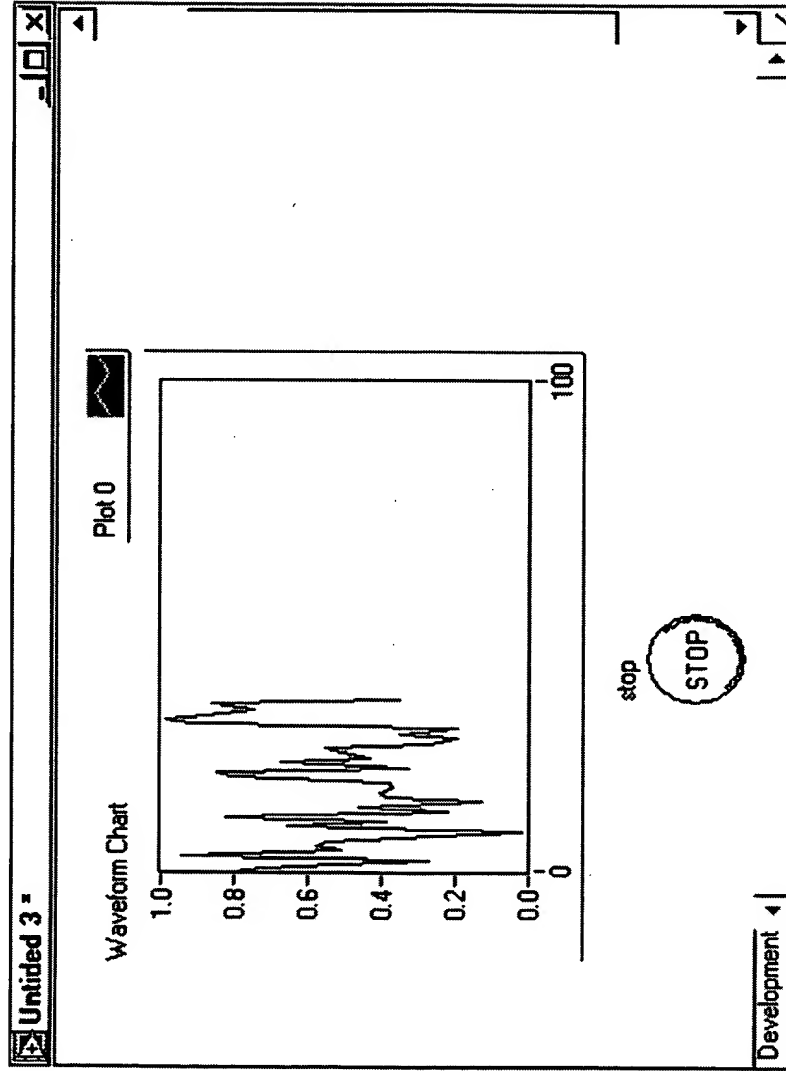


FIG. 23

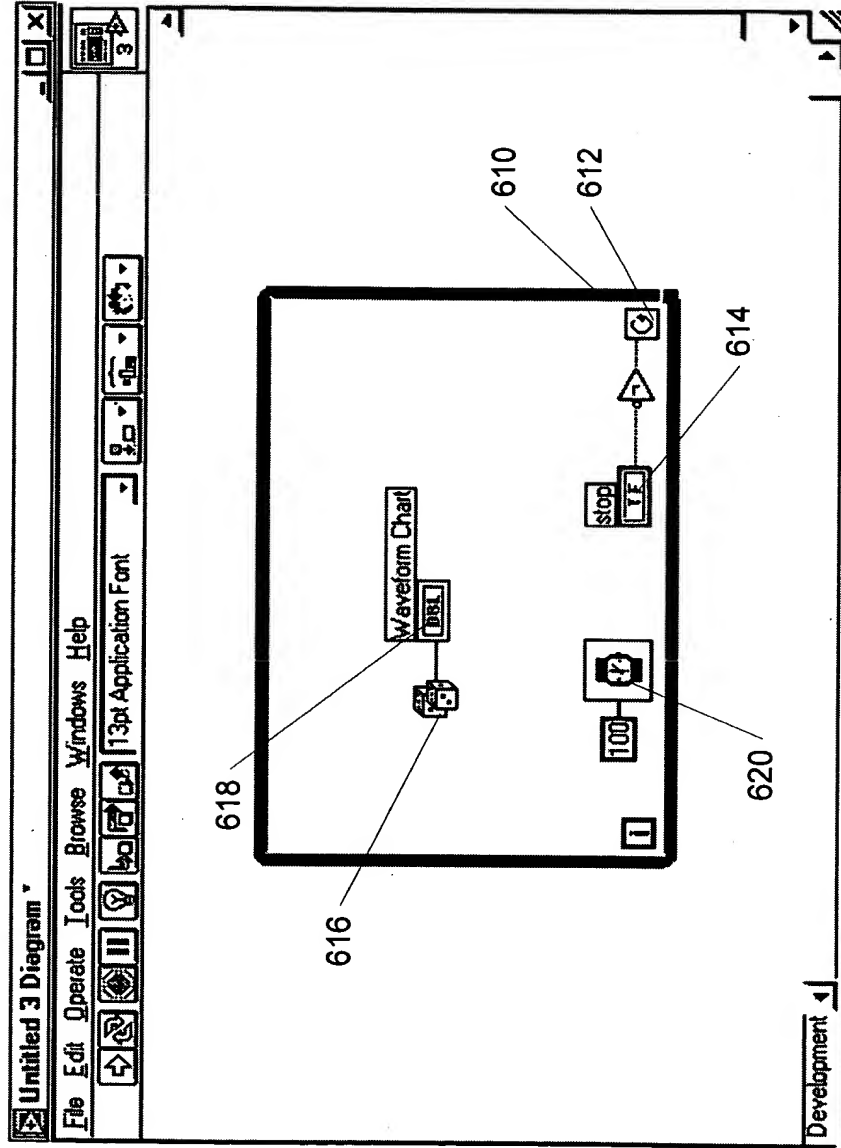


FIG. 24

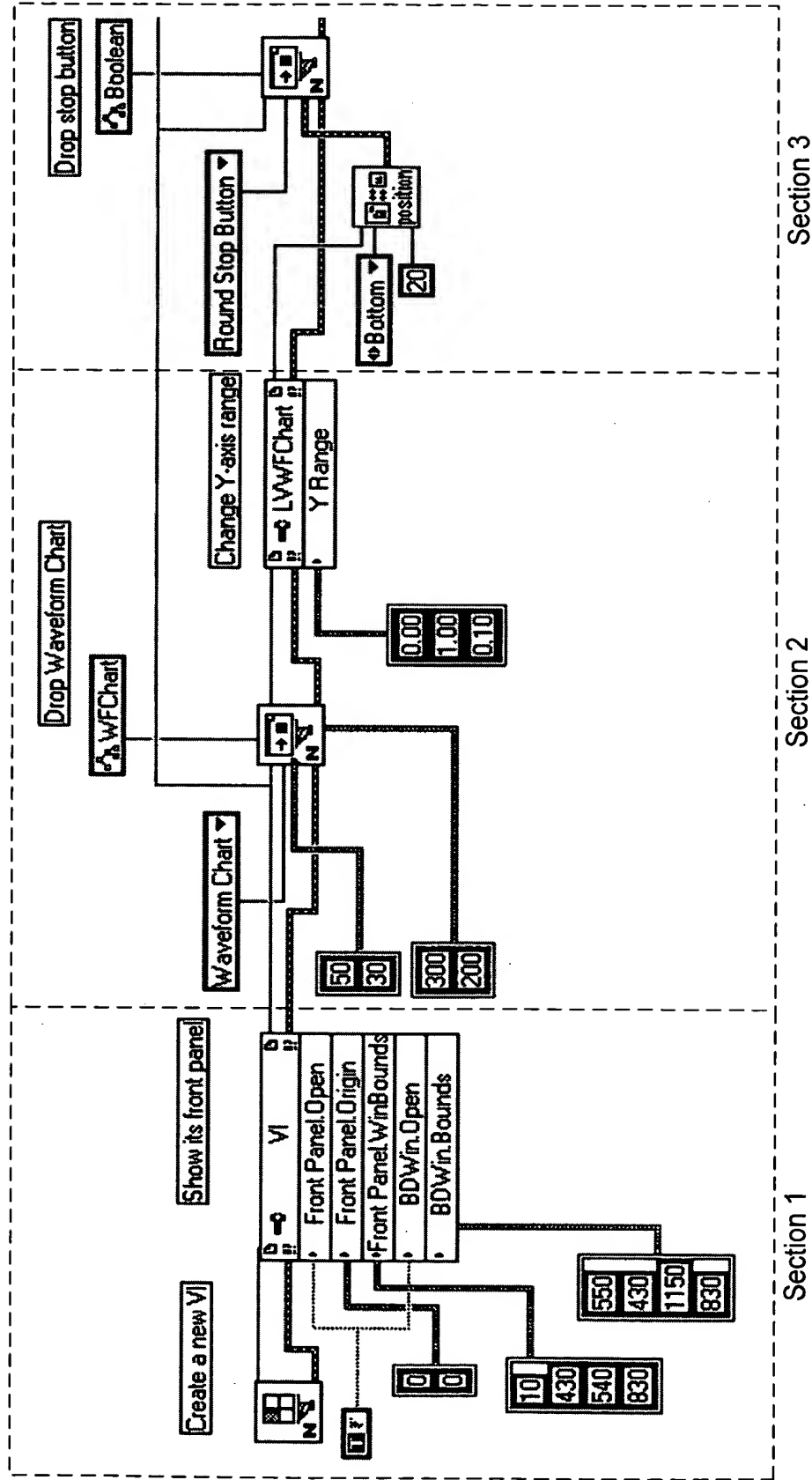


FIG. 25A

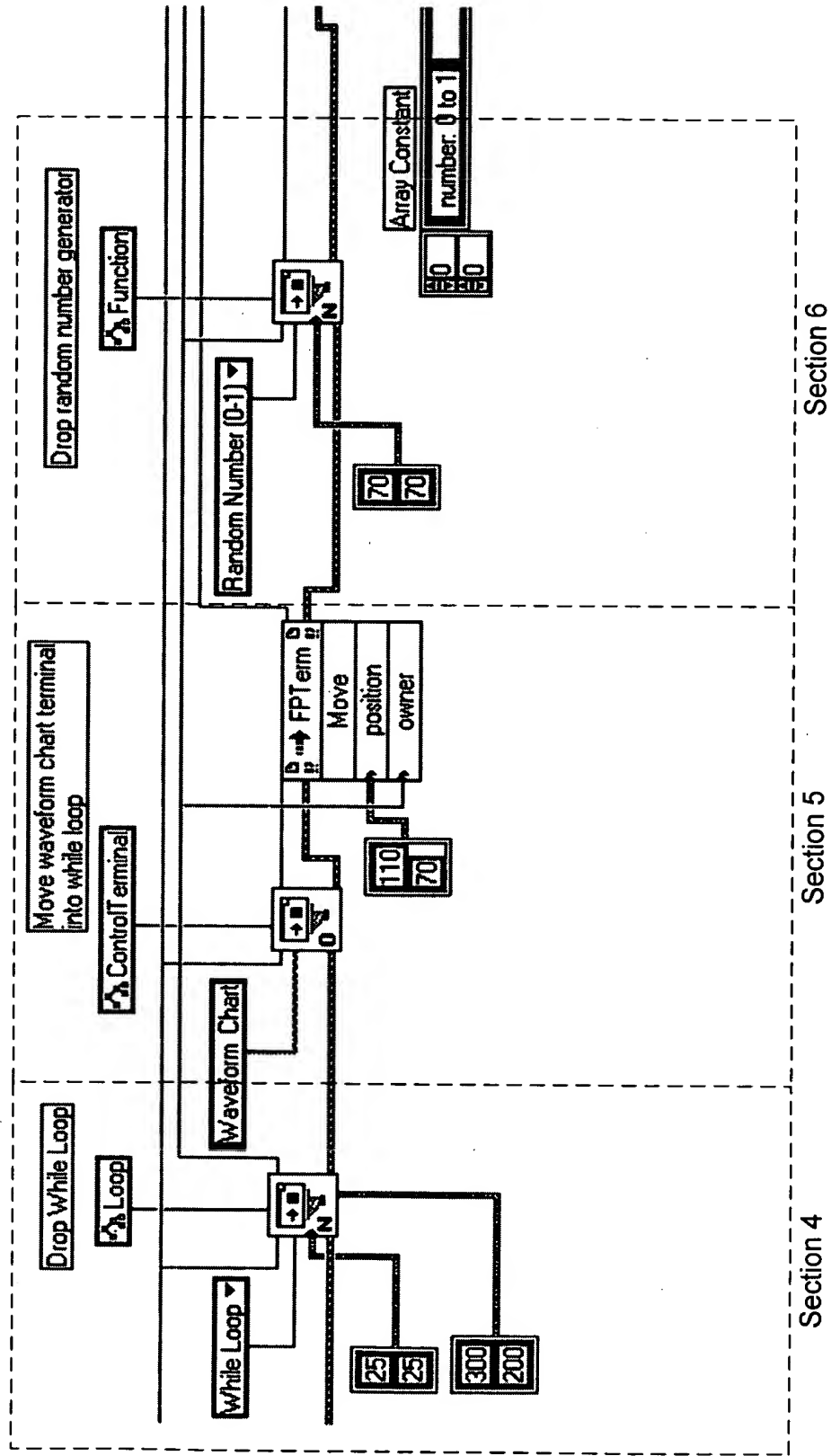


FIG.25B
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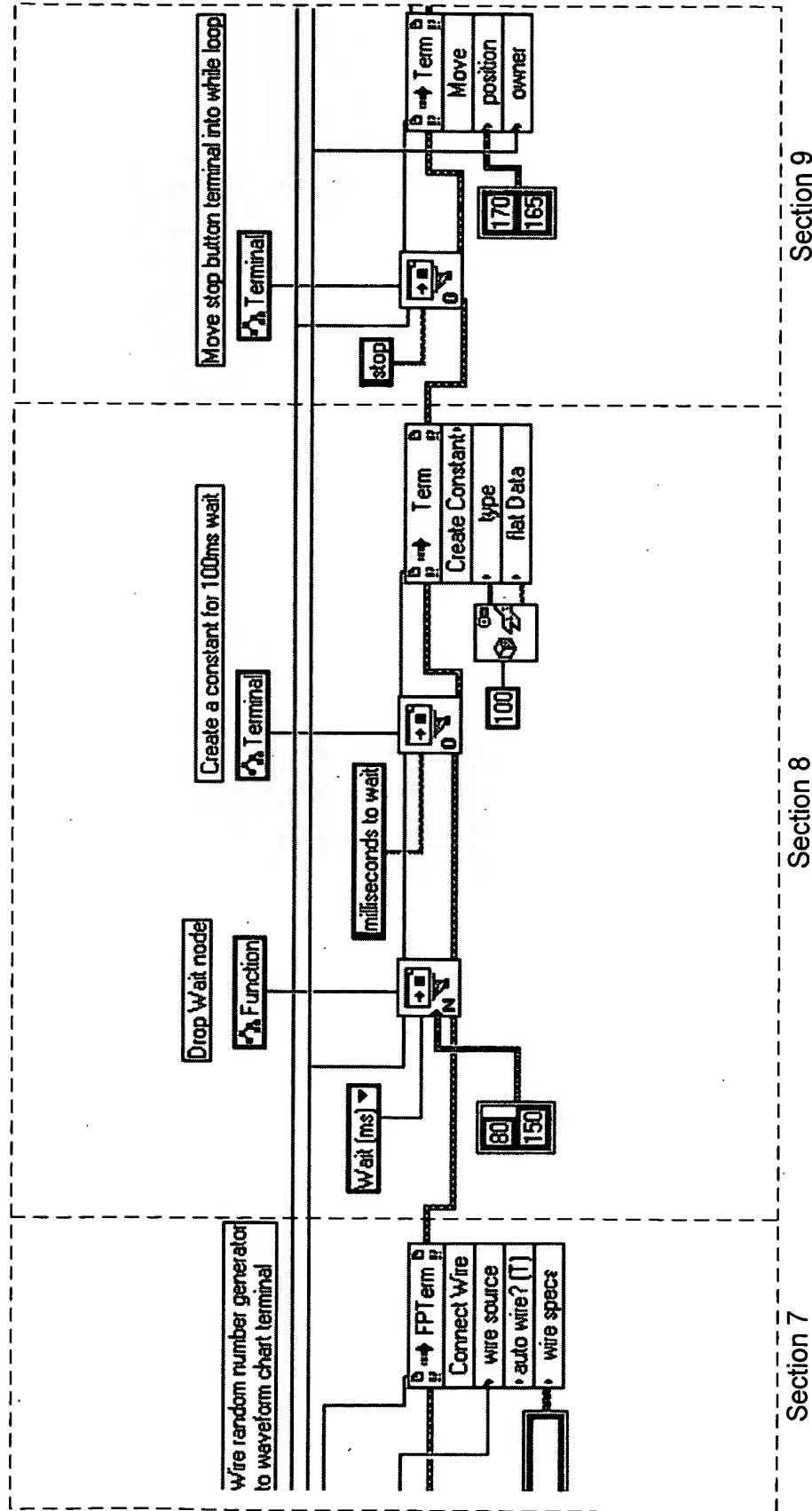


FIG.25C
(Continued)

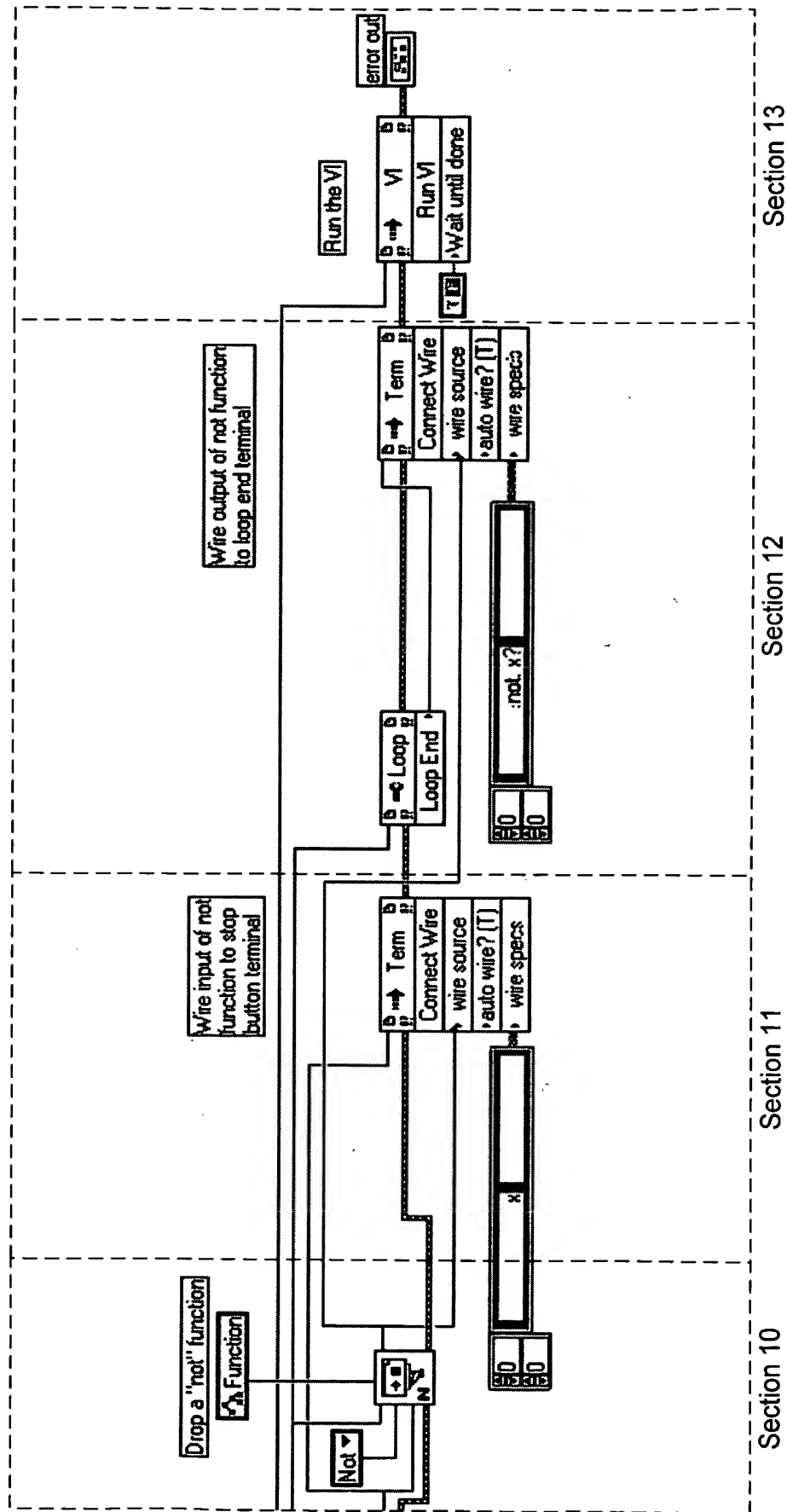


FIG. 25D
(Continued)